AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-22 (cancelled).

23. (Currently Amended) A method of distributing in real-time geospatial data over a object oriented spatial database network connecting together computers, the method comprising:

~~designing object models for the geospatial data including two or more disparate data formats;~~

~~creating an object-oriented database of the geospatial data using the object models;~~

~~storing the object-oriented database on a storage unit connected to the network;~~

receiving from a client computer in the database network ~~specifying~~ an area of interest from a visual image, representing active data objects, displayed on a computer on the network;

identifying data available for the area of interest;

responsive to a request for the data, querying ~~from the computer~~ over the network data objects in ~~the~~ at least one database associated with the area of interest;

receiving from ~~the~~ at least one remote computer over the network data objects in the database associated with the area of interest and creating an object-oriented database of the geospatial data using object models; and

<u>transmitting a web-based applet to the client computer for viewing the data objects</u>

<u>overlaid on a map display</u>

~~displaying on a display unit coupled to the computer the data objects~~.

24.   (Previously Presented) The method of claim 23, wherein in the geospatial data

includes temporal information.

25.   (Currently Amended) The method of claim 23, wherein the data objects are displayed

in three ~~dimensional~~ <u>dimensions</u>.

26.   (Previously Presented) The method of claim 23, further comprising converting two

dimensional data objects to three dimensional data objects and displaying the converted three

dimensional data objects.

27.   (Previously Presented) The method of claim 23, wherein the querying is performed

using an interface system conforming to Common Object Request Broker Architecture.

28.   (Cancelled)

29.   (Currently Amended) The method of distributing in real-time geospatial data over a
network according to claim 23 28, wherein the querying includes receiving database, library,
theme and features as data objects.

30.   (Cancelled)

31.   (Currently Amended) A method of building and maintaining an object-oriented spatial
database of worldwide geospatial data from at least two or more data formats, the method
comprising:

instantiating objects of the object-oriented database, using at least two of Vector
Product Format (VPF), Raster Product Format (RPF), Text Product Standard (TPS),
Environmental Systems Research Institute (ESRI) shape, Generic Sensor Format (GSF),
Naval Oceanographic Office text (NAVOCEANO), and temporal information databases;

initializing spatial and non-spatial feature data of the object-oriented database; and

spatially indexing data among objects from the at least two VPF, RPF, TPS, ESRI,
GSF, NAVOCEANO and temporal information databases into the single, object-oriented
spatial database; and

receiving from a client computer in the database network an area of interest from a
visual image, representing active data objects, displayed on a computer on the network;

identifying to the client computer data available for the area of interest;

responsive to a request for the data, querying over the network data objects in at least

one database associated with the area of interest;

receiving from at least one remote computer over the network data objects in the

object oriented database associated with the area of interest and creating and creating an

object-oriented database of the geospatial data using object models; and

transmitting a web-based applet to the client computer for viewing the data objects

overlaid on a map display .

32-34. (Cancelled).

35.   (Currently Amended) The real-time geospatial object oriented database data

distribution system of claim 23 34, wherein the processor said querying includes querying

queries from the database using an interface system to transmit query messages that conform

to Common Object Request Broker Architecture.

36-37. (Cancelled)

38.   (Currently Amended) A real-time geospatial object oriented database data distribution

system, comprising:

at least three processors processor means, connected to each other via a network, for

storing in storage means connected to a first of the processors processor means an object-

oriented database of data including two or more disparate data formats having spatial and temporal information[[;]], for specifying an area of interest from a visual image, representing active data objects, displayed on ~~one~~ a second of the processors ~~processor means;~~, for querying from a third of the processors ~~another processor means~~ over the network data objects in the database associated with the area of interest[[;]] for receiving in the first ~~one~~ processor ~~means~~ data objects in the database associated with the area of interest; and for displaying the data objects by transferring from the first processor a web-based applet to the second processor, the second processor executing the web-based applet to retrieve and display the data objects overlaid on a map display on the second processor.

39.   (Currently Amended) The real-time geospatial object oriented database data distribution system of claim 38, further comprising an ~~wherein the processor means query from the database using~~ interface ~~means~~ for transmitting query messages conforming to Common Object Request Broker Architecture.

40.   (Currently Amended) Computer programs stored on a computer-readable media to access in real-time geospatial data over a object oriented spatial database network, comprising:

an object-oriented database server code section to store data including two or more disparate data formats having spatial and temporal information;

a client code section; and

an interface code section in communication with the server code section and the client

code section over the network to transmit and receive messages querying the data,

said computer programs for

receiving from a client computer in the database network an area of interest from a

visual image, representing active data objects, displayed on the client computer;

identifying data available for the area of interest,

responsive to a request for the data, querying over the network data objects in at least

one object oriented database associated with the area of interest,

receiving from at least one remote computer over the network the data objects

associated with the area of interest,

creating an object oriented database including the retrieved data objects; and

transmitting a web-based applet to the client computer for viewing the data objects

overlaid on a map display .

41.   (Previously Presented) The computer programs of claim 40, wherein programming

language of the client code section differs from programming language of the server code

section.

42.   (Previously Presented) The computer programs of claim 40, wherein the data includes

at least two or more data formats of Vector Product Format (VPF), Raster Product Format

(RPF), Text Product Standard (TPS), Environmental Systems Research Institute shape format

(ESRI), Generic Sensor Format (GSF), and Naval Oceanographic Office text format

(NAVOCEANO).

43.   (Previously Presented) The computer programs of claim 40, wherein querying the data

includes updating the data.

44.   (Cancelled)

45.   (New) A method according to claim 23, wherein said applet allows a user at the client

computer to view the data objects overlaid on the map display without downloading the

database from the remote computer and without executing separate software in the local

computer to view the data objects.

46.   (New) A method according to claim 23, further comprising

        creating an object-oriented database of geospatial data associated with the area of

interest responsive to receiving the area of interest.

47.   (New) A method according to claim 46, further comprising storing the object-

oriented database on a storage unit connected to the network without downloading the

database to the client computer.

48.   (New) A method according to claim 23, further comprising

an object request broker interfacing between the applet and a server, the applet

executing on the client computer.

49.   (New) A method according to claim 23, wherein at least one of the object oriented

databases includes data from environmental sensors.

50.   (New) A method according to claim 23, wherein at least one of the object oriented

databases includes temporal weather information.

51.   (New) A method according to claim 23, wherein said area of interested is selected by

a user at the client computer from a world map display.

52.   (New) The method according to claim 26, wherein the three dimensional data objects

are generated using gridded, triangulated irregular network, and vector data.

53.   (New) The method according to claim 26, wherein a three dimensional image is

generated using digital terrain elevation data from an object oriented database on a remote

computer and two dimensional feature data stored on a server and retrieved by the applet.

54.   (New) The method according to claim 23, further comprising:

designing object models for the geospatial data including two or more disparate data formats; and

storing the object-oriented database on a storage unit connected to the network.

55.   (New) A method according to claim 23, further comprising, responsive to a request from the client computer:

locating a nearest city to the area of interest and opening a web page with the local weather forecast for the nearest city.